

COUNTY COUNCIL OF DURHAM.

ANNUAL REPORT

OF THE

Medical Officer of Health,

AND

OTHER RECORDS

FOR THE YEAR

1942.

NORMAN WARD LTD., LOW FELL.

1945,



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Table B.—Urban and Rural Districts—Deaths at Certain Ages and from Certain Specified Causes.

STAFF OF THE COUNTY HEALTH DEPARTMENT CHANGES DURING THE YEAR 1942.

DISTRICT TUBERCULOSIS MEDICAL OFFICERS.

J. W. A. Rodgers, M.B., Ch.B., B.A.O., D.P.H. (appointed 22/6/42, part-time).

W. V. MacFarlane, M.D., D.P.H. (resigned 21/6/42).

ASSISTANT WELFARE MEDICAL OFFICERS.

M. L. Bainbridge, M.B., Ch.B., M.R.C.S., L.R.C.P. (resigned 31/5/42).

L. R. Benham, M.B., B.S., D.P.H. (part-time 1/10/42).

M. F. Murray, L.R.C.P., L.R.C.S. (appointed 1/10/42, temporary).

L. Ross, M.B., B.S. (appointed 1/7/42, temporary).

G. E. Wright, M.B., B.S. (resigned 31/10/42 part-time).

JUNIOR RESIDENT MEDICAL OFFICER, SEAHAM HALL SANATORIUM.

W. D. Gray, M.B., Ch.B. (appointed 9/11/42).

MEDICAL OFFICER, EARL'S HOUSE SANATORIUM.

J. A. Stobbs, M.D., B.S. (resigned 30/6/42).

H. R. Shenkin, M.B., Ch.B. (appointed 14/5/42).

COUNTY MIDWIVES—128.

WEIGHTS AND MEASURES INSPECTORS, WHO ALSO ACT AS FOOD AND DRUG SAMPLING OFFICERS.

G. W. Woods (H.M. Forces 30/4/42).

PUBLIC ASSISTANCE DISTRICT MEDICAL OFFICERS AND PUBLIC VACCINATORS.

J. C. Livingstone (died 18/8/41—successor R. P. Graham, M.B., B.S. 1/1/42).

T. N. Wilthew (resigned 31/12/41—successor T. L. Kelly, M.B., B.S. 1/1/42).

C. Duncan (resigned 31/3/42—successor W. B. Allan, M.B., B.S. 1/4/42).

T. Russell (died 15/8/42)—successor Dr. M. Carroll, acting).

MEDICAL OFFICERS AND PUBLIC VACCINATORS OF PUBLIC ASSISTANCE INSTITUTIONS AND COTTAGE HOMES.

C. Duncan (resigned 31/3/42—successor W. B. Allan, M.B., B.S. 1/4/42).

VACCINATION OFFICERS.

W. Stephenson, Lanchester (resigned 31/7/42—successor Miss G. Armin 1/8/42).

STATISTICS.

Area	623,260 acres
Registrar-General's estimate of resident population, mid-1942	820,800
Rateable value as at the 1st April, 1942	£3,757,250
Sum represented by a penny rate	£14,023

		Total.	Males.	Females.
Live Births	{ Legitimate	13,979	7,110	6,869
	{ Illegitimate	659	335	324
Stillbirths	{ Legitimate	568	291	277
	{ Illegitimate	30	12	18
Total births (live and still)		<u>15,236</u>	<u>7,748</u>	<u>7,488</u>

Birth Rate per 1,000 estimated resident population
mid-1942 17.8

Still-birth Rate per 1,000 total (live and still) births 39.2

Number of Deaths 9,867

Death Rate per 1,000 estimated population 12.0

Deaths from puerperal causes :—

	Deaths.	Rate per 1,000 total (Live and still) births.
Puerperal Sepsis	19	1.25
Other puerperal causes	38	2.49
Total	<u>57</u>	<u>3.74</u>

Death Rate of Infants under one year of age :—

All infants per 1,000 live births 59

Legitimate infants per 1,000 legitimate live births 59

Illegitimate infants per 1,000 illegitimate live births 53

Deaths and Death Rates from :—

	No. of Deaths.	Rate per 1,000 esti- mated population.
Cancer	1,276	1.54
Measles	15	0.02
Whooping Cough	21	0.03
Diarrhoea (under 2 yrs of age)	98	0.12
Scarlet Fever	1	0.001
Diphtheria	92	0.11
Typhoid and Paratyphoid	1	0.001

BACTERIOLOGICAL LABORATORY FACILITIES.

No change in the County Scheme was made during the year.
Table I shows the number of specimens submitted for examination.

TABLE 1.

ADMINISTRATIVE COUNTY OF DURHAM, 1942.—Bacteriological specimens submitted for examination.

	General Practitioners.	Hospitals.	Tuberculosis Dispen-saries & Sanatoria.	Venereal Diseases Clinics.	School Medical Officers.	Total.
Blood—Widal examination	29	—	—	—	—	29
Diphtheria swabs	2697	—	—	—	168	2865
Sputum—Tubercle bacilli	904	—	2024	—	—	2928
Blood—Wassermann reaction	99	615	—	2401	—	3115
Smears for micro-examination	41	7	—	316	—	364
C.S. Fluid—Wassermann reaction	—	36	—	85	—	121
do. —Colloidal test	—	—	—	—	—	—
do. General examination	—	—	—	67	—	67
Gonococci—complement fixation	15	4	—	537	—	556
do. —Culture	—	—	—	7	—	7
Kahn test	3	—	—	95	—	98
Totals	3788	662	2024	3508	168	10150

NURSING IN THE HOME.

The district nursing associations, 119 of which were affiliated to the County Nursing Association, employed 162 nurses, and in 56 districts the nurses also acted as midwives and maternity nurses.

TREATMENT CENTRES AND CLINICS.

Maternity and Child Welfare Centres.—There was no change during the year in the number of maternity and child welfare centres. At 65 centres there were ante-natal clinics, at 22 post-natal clinics, at 15 birth control clinics, at 12 dental clinics, and at 21 ultra-violet ray clinics.

Tuberculosis Dispensaries, Venereal Diseases Treatment Centres and Mental Treatment Clinic.—There were no changes during the year.

GENERAL HOSPITALS.

The following statement shows the number of county patients approved for admission to the Newcastle General Hospital for surgical and other treatment during 1942.

Thoracic surgery	85
Neuro surgery	59
Cancer	14
Others	33
Total	191

PUBLIC ASSISTANCE MEDICAL SERVICES.

The following table shows the number of cases granted special forms of treatment during the year compared with the previous three years :—

TABLE 2.

Provision of :—	Cases.			
	1942	1941	1940	1939
Dental treatment	†7	†15	†37	740
Surgical appliances	151	145	193	290
Ophthalmic treatment	307	177	88	404
Clothing to enable tuberculous patients to proceed to sanatoria	39	72	85	128
Insulin	38	53	70	64
Special medicaments	26	62	35	24*

* Quarter ended 31/12/39 only.

† Not including cases dealt with at clinics.

Outdoor Medical Relief.—Part-time medical officers appointed to specified medical relief districts continued to provide this service. There were nine district medical officers serving with H.M. Forces and their work during the year was carried on by deputies.

Three changes in personnel occurred and at the end of the year there were 69 officers in the outdoor medical service.

Dental Treatment.—The following statement shows the work done at the dental clinics :—

TABLE 3.

	Clinic.	
	Chester-le Street.	Bishop Auckland
Sessions	56	43
No. of patients	245	124
No. of attendances	615	306
Waiting list 1.1.42	26	5
Receiving treatment 1.1.42	16	6
No. of new applications	248	121
	290	132
No. of cases in which treatment completed	227	117
No. of cases in which treatment given but not completed on 31.12.42	18	7
No. of applications withdrawn	18	5
Waiting list—treatment not commenced 31.12.42	27	3
	290	132

Public Assistance Institutions.—The Surgeon Specialist, Mr. W. A. Hewitson, M.B., M.S., F.R.C.S. (Eng)., performed 207 operations in the surgical unit at the Easington Public Assistance Institution Hospital during the year.

The following table shows the number of admissions to public assistance hospitals during the ten years, 1933 to 1942 :—

TABLE 4.

No. of Hospital Beds.	Admissions during year :									
	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942
1354	1985	2219	2334	2447	2673	2422	2858	2534	2387	2917

Institution Sick Wards.—Table 5 shows the sick ward bed accommodation and staff on the 31st December, 1942, in the ten public assistance institutions.—

Institution.	No. of Beds in Sick Wards.			Staff.								Civil Nursing Reserve			
				Medical Officer Part time—Non-resident.	Matron	Supt. Nurse.	Trained Nurses	Assistant Nurses.	Prob. Nurses.	Male Nurses.	Mental Attendants.		Trained	Assistants.	Auxiliaries.
	M.	F.	C.								M.	F.			
Barnard Castle ...	25	—	—	1	1	—	1	2	—	—	—	—	—	—	—
Bishop Auckland	98	73	23	1	1	1	7	9	7	6	—	7	21	44	41
Chester-le-Street	42	55	—	1	1	1	1	11	1	3	—	—	—	—	—
*Durham	79	77	10	1	1	—	4	6	4	3	8	—	—	3	5
Easington	146	139	14	1	1	1	6	18	4	7	—	—	2	10	9
Houghton-le-Sp'ng	9	8	1	1	1	—	—	3	—	—	—	—	—	—	—
**Lanchester	161	150	5	1	1	—	2	8	8	3	—	7	1	6	11
Sedgefield	—	4	—	1	1	—	—	—	—	—	—	—	—	—	—
Stanhope	—	63	—	1	1	—	—	—	—	—	—	—	1	6	9
†Stockton	93	64	15	1	1	1	5	9	5	2	—	—	—	—	—
Totals	653	633	68	10	10	4	26	66	29	24	8	14	25	69	75

* Includes 48 beds for male mental patients.
** Includes 44 beds for female mental patients.
† Full-time appointment as District Medical Officer, Public Vaccinator and Medical Officer, P. A. Institution and Cottage Homes.

Table 6 shows the admissions to and discharges from public assistance institution sick wards during the year :—

TABLE 6.

Institution.	In residence 1-1-42.	Ad- missions.	Deaths.	Dis- charges.	In residence 31-12-42
Barnard Castle	14	24	6	11	21
Bishop Auckland	175	780	160	619	176
Chester-le-Street	44	194	90	101	47
Durham	187	283	110	169	191
Easington	167	674	168	516	157
Houghton-le-Spring	5	25	9	18	3
Lanchester	193	609	111	473	218
Sedgefield	—	9	—	9	—
Stanhope	55	21	16	1	59
Stockton	153	298	112	176	163
Totals	993	2917	782	2093	1035

MENTAL DEFICIENCY ACTS, 1913 — 1938.

Ascertainment.—On the 31st December, 1942, there were 2,421 defectives on the register, which number gives an ascertainment figure of 2.94 per 1,000 population of the administrative county.

Table 7 shows the sex distribution of the children and adults on the register.

TABLE 7.

	Male		Female		Total
	Ch'ren.	Adults.	Ch'ren	Adults	
In institutions	32	158	18	237	445
On licence from institutions	—	14	2	22	38
In special schools	4	—	4	—	8
In state institutions	—	17	—	12	29
In elected homes	1	8	2	4	15
In public assistance institutions	11	44	13	47	115
In asylums	12	49	7	53	121
Under guardianship	—	20	1	28	49
Under domiciliary supervision	215	527	186	652	1580
Adults in H.M. Forces	—	21	—	—	21
Totals	275	858	233	1055	2421

During the year under review, 96 cases (including 57 notified by the Education Authority) were added to the register :

	Males	Females	Total
Children	31	20	51
Adults	19	26	45
	50	46	96

Table 8 shows the classification of the 57 children notified during the year by the Local Education Authority to the Mental Deficiency Acts Committee.

TABLE 8.

	Boys	Girls	Total.
(1) Children incapable of receiving benefit or further instruction in a special school :			
(a) Idiots	5	4	9
(b) Imbeciles	11	7	18
(c) Feeble-minded	9	7	16
(d) Moral defectives	—	—	—
(2) Mentally defective children notified on leaving a special school on or before attaining the age of 16 years	8	6	14
Total notifications	33	24	57

Certification.—Twenty-eight petitions were presented and an Order under the Acts was made in each case,—23 for institutional care and 5 for guardianship.

Four persons were discharged from Order, having developed and improved with institutional training to such a degree that they could be allowed to move about in their own social sphere without supervision of any kind.

Institutional Accommodation.—The classification of defectives in certified institutions or colonies who are chargeable to the County Council is shewn in the following table.

TABLE 9.

Classification	Male		Female		Total
	Ch'ren	Adults	Ch'ren	Adults	
Idiots	—	2	2	1	5
Imbeciles	20	78	10	88	196
Feeble-minded	12	77	6	140	235
Moral defectives	—	1	—	8	9
Totals	32	158	18	237	445

Vacancies in certified institutions are still difficult to secure, only 23 being obtained during the year.

Leave of absence on licence from institutions for varying periods was granted to 9 defectives, 4 to their own homes and 5 to places of employment. There were on licence at the end of the year 38, consisting of 14 males and 24 females.

Guardianship.—During the year 7 defectives were placed under the statutory guardianship of their parents. The number of defectives under guardianship on the 31st December, was:—

	Males	Females	Total
Children	—	1	1
Adults	20	28	48
	20	29	49

Domiciliary Supervision.—The county health visitors continued to provide this supervision during the year when they made 5,879 visits to 1,652 defectives.

Of the defectives known to this Authority 9 (4 married and 5 unmarried) have given birth to children during the year and 8 (3 males and 5 females) have married.

North Eastern Council for Mental Welfare.—Employment was found for 1 male and 1 female defective during the year, and at the end of the year 4 male and 7 female defectives were being supervised by this council on behalf of the Committee.

Examinations by Medical Officer.—The number of examinations made for the purpose of certification or classification is shewn in the following table.

TABLE 10.

Examinations	Certifiable	Not certifiable	Total
Domiciliary	40	4	44
In institutions	9	3	12
Under guardianship	34	—	34
In Medical Officer's office	5	2	7
In H.M. Prison, Durham	4	—	4
Totals	92	9	101

DOMICILIARY MIDWIFERY.

There were no additions to the areas served by district nurses or midwives employed by district nursing associations.

The following table shows the numbers of county midwives employed.

District.	No. of Midwives employed.	District.	No. of Midwives employed.
<i>Urban Districts.</i>		<i>Rural Districts.</i>	
Durham	4	Chester-le-Street	4
*Hartlepool	4	*Durham	4
Jarrow	7	†Easington	17
*Billingham	5	Lanchester	2
*Bishop Auckland	6	*Sedgefield	7
*Blaydon	6	Sunderland	3
*Boldon	3		
Brandon & Byshot.....	4	†Relief Work	2
Chester-le-Street	3		
*Consett	10		
*Crook & Willington	5		
Felling	4		
*Hebburn	5		
Hetton	5		
Houghton-le-Spring	5		
Ryton	5		
†Seaham	8		
Sildon	3		
Spennymoor	5		
Stanley	4		
Tow Law	1		
Washington	3		
Whickham	5		

* One vacancy.

†Two vacancies.

During the year the County Supervisor of Midwives made 1,458 visits to midwives and 503 visits to patients.

At the end of the year there were 25 independent midwives in practice. In addition, there were 45 practising midwives in maternity and public assistance hospitals, and 11 midwives employed by district nursing associations not included in the County Council's Scheme notified their intention to practise.

During the year, 9,521 applications were received for the domiciliary services of the midwives appointed under the Act; 8,216 as midwife and 1,305 as maternity nurse.

The midwives requisitioned medical help on 4,158 occasions, and the following statement gives particulars as to the reasons for so doing :—

1. Ante-natal examination—general	20
2. Ante-natal examination—possible venereal disease	7
3. Ante-natal examination—albuminuria	238
4. Eclampsia, fits, convulsions—maternal	31
5. Miscarriage	188
6. Threatened miscarriage	131
7. Ante-partum haemorrhage	139

8.	Post-partum haemorrhage	76
9.	Placenta praevia	11
10.	Retained or adherent placenta or membranes.....	84
11.	Contracted pelvis, disproportion between child and pelvic outlet	59
12.	Malpresentation	190
13.	Prolonged or delayed labour, uterine inertia.....	831
14.	Mammary inflammation, varicose veins, cardiac weakness, weakness during puerperium, etc.	139
15.	Stillbirth	7
16.	Ruptured perineum	1203
17.	Premature birth	72
18.	Rise in temperature	110
19.	Mental condition during pregnancy and parturition	8
20.	Feebleness of child. Illness of child	212
21.	Phimosis, tongue tie, suspicious eruptions on skin of baby, and umbilical conditions	55
22.	Marked congenital malformation	33
23.	Inflammation of child's eyes	162
24.	Condition of mother ill-defined	25
25.	Condition of baby ill-defined	9
26.	Midwife in attendance at another case.....	12
27.	Precipitate labour	2
28.	Death of baby	5
29.	Other conditions	99

In addition to the notifications of sending for medical help the following notifications were received from midwives :—

Stillbirths	253
Death of mother	29
Death of child	177
Artificial feeding	145
Laying out the dead	29
Liability to be a source of infection	105

With regard to the 110 cases in which medical help was requisitioned on account of rise of temperature, 25 were subsequently notified as puerperal pyrexia. Ten of these cases received in-patient hospital treatment under the County Scheme, while the services of consultants were utilised in one case.

Of the 162 cases of inflammation of the eyes, 42 were notified as ophthalmia neonatorum and 15 received hospital treatment.

ACCOMMODATION FOR MATERNITY PATIENTS.

Maternity Homes and Hospitals.—The following table gives the number of patients admitted into maternity homes and hospitals from the maternity and child welfare portion of the administrative county area during the past five years :—

TABLE 11.

Maternity Home or Hospital	Number of Cases Admitted.				
	1938	1939	1940	1941	1942
County Maternity Home, Bishop Auckland ..	342	335	354	335	341
Richard Murray Hospital, Blackhill	200	237	296	358	227
Princess Mary Maternity Hospital, Newcastle	870	731	650	699	932
* Borough Maternity Home, Sunderland	65	—	—	—	—
Sunderland Municipal Hospital	48	77	52	43	102
Grantully Maternity Home, West Hartlepool	45	23	27	11	13
Robson Maternity Home, Stockton	3	3	1	—	—
Hardwick Hall Emergency Maternity Home Sedgefield	—	40	55	358	505
Dilston Hall Emergency Home, Corbridge	—	—	8	20	49
Harton Hospital, South Shields	—	—	65	104	135
Municipal Hospital, Darlington	—	—	2	21	26
Newcastle General Hospital	—	—	5	—	—
Hartlepoons Hospital	—	—	—	—	18
Totals	1573	1446	1515	1949	2348

* From 1.9.38 onwards cases were admitted to Sunderland Municipal Hospital.

The County Maternity Home has 17 beds, the Richard Murray Hospital 16 beds, and Hardwick Hall can provide 40 beds though normally only about 33 are in use. A new maternity ward was opened in the Hartlepoons Hospital and the county arrangements were extended to provide for the admission of county cases to this ward.

The increasing demand for maternity home accommodation which made itself felt in 1941 was further accentuated in 1942. In 1938 the number of admissions to maternity homes and hospitals represented ten per cent. of all births, in 1941 the percentage was 13 and in 1942 the proportion had risen to 15 per cent.

Public Assistance Institutions.—Accommodation for maternity cases was provided at three public assistance institutions, and the following table shows the number of beds available and the cases admitted during 1942 :—

TABLE 12.

Institution.	No. of Beds in Institution (Exclusive of Isolation and labour beds).	No. of Cases admitted during the year.	Average duration of stay.	No. of Cases delivered by		No. of cases in which medical assistance was sought by Mid-wife	No. of Maternal Deaths
				(a) Doc-tors.	(b) Mid-wives.		
Bishop Auckland	3	46	15 days	1	45	9	—
Durham ..	2	*4	14 „	—	2	—	—
Easington	3	31	15 „	5	26	5	1
Totals	8	81	—	6	73	14	1

* Only two cases delivered during the year.

St. Monnica's Home, Bishop Auckland.—Twenty-six girls were admitted to this institution during the year and twenty-nine babies were born, including one still-birth. Twenty-nine girls were discharged.

MATERNITY AND CHILD WELFARE.

Centres.—The following statement shows the aggregate attendances at the 80 welfare centres during the year.—

TABLE 13.

	Babies' and Children's Sessions.			Ante-Natal Sessions.
	Under 1 year.	1 and under 3 years.	3 and under 5 years.	
No. on books	7,608	9,256	4,980	10,523
Attendances	63,082	25,241	9,268	41,549
Average attendances per session	15	7	2	14
Consultations	53,751	21,983	8,360	41,284
Average consultations per session	14	6	2	14

Attendances of mothers from the county maternity and child welfare area at centres outside the area were as follows :—

	Mothers.	Attendances.
Darlington	42	93
Gateshead	5	8
South Shields	18	87
Stockton	12	38
Sunderland.....	14	57
West Hartlepool	9	38
Yarm and Eaglescliffe ..	21	28
Totals	121	349

While the numbers of babies brought to the centres was maintained there was a substantial fall in the numbers of older children who attended. The number aged 1 and 2 years was 1,974 fewer and the number aged 3 and 4 was 2,374 fewer than in 1941. This may be attributed to the increased domestic burdens imposed on housewives by war conditions and to the transfer of the distribution of dried milk from the welfare centre to the food office. The average number of consultations per session was correspondingly reduced from 28 to 24.

On the other hand, the numbers attending ante-natal clinics showed a substantial increase, being 2,602 more than in 1941, with an increase of 3 in the average number of consultations per session.

Ante-Natal Work.—During the year 10,253 expectant mothers attended welfare centres. This is a marked increase and the number represents 78 per cent. of the number of births in the county welfare area.

Post-Natal Clinics.—The number of clinics remained unchanged at 22. The number of patients on the register (987) showed an increase of 43 and the attendances (1,833) an increase of 155 compared with the 1941 figures. In addition, 270 women who were not pregnant were examined at ante-natal clinics.

Birth Control Clinics.—An additional clinic was opened during the year. The number of women on the register (462) was slightly less than in 1941, and they made 860 attendances.

Dental Clinics.—Table 14 shows the work done at the 12 dental clinics.

Ultra-violet Ray Clinics.—The work of these clinics is summarised in the following statement.

Number of clinics	21
Number of sessions held.....	2,044
Number of patients treated.....	6,270
Number of treatments given	76,948
Average number treated per session.....	38

E. F. Peile Home, Shotley Bridge.—During the year 124 mothers, 129 babies and 231 children were admitted to this Home. The average duration of stay was 21 days for mothers and babies and 31 days for children.

Babies Hospital, Newcastle-on-Tyne.—Nine county cases were admitted for treatment.

Cases of Squint.—Under the arrangement with the School Medical Department 216 children were examined and treated.

Prevention of Deafness.—Under the existing arrangements with two voluntary hospitals 26 children were examined and treated.

Orthopaedic Treatment.—Appliances were provided for 4 children.

County Federation of Voluntary Workers.—One meeting was held in the Shire Hall, Durham, and 32 mothers received treatment under the convalescent scheme.

War-time Nurseries.—Eighteen war-time nurseries were opened during the year. Supervision was undertaken by the welfare medical staff.

EMERGENCY MATERNITY SERVICE.

There was no change during the year in the arrangements made with the Princess Mary Maternity Hospital, Newcastle-on-Tyne, for the provision of an emergency maternity service. The 'flying-squad' was requisitioned on 12 occasions and the services of consultants obtained in respect of 17 cases.

MATERNAL MORTALITY.

Table 15 gives the maternal mortality rate in the administrative county during the past ten years

TABLE 14.
ADMINISTRATIVE COUNTY OF DURHAM, 1942.—Dental treatment,

Clinic.	No. of Patients Treated		No. of Patients Treated		No. of Attendances made by Mothers.		No. of Attendances made by Children.		Extractions.			Scalings.		Fillings.		Dentures for Mothers.				Other Treatment, or advice.		Fees Received.			Number of Attendances of Dentist.
	Mothers.		Children.		by Mothers.		by Children.		For Dentures, Mothers.	Casual		Mothers.	Children.	Mothers.	Children.	Full Upper	Full Lower	Partial Upper	Partial Lower	Mothers.	Children.	£	s.	d.	
	Mothers.		Children.		by Mothers.		by Children.																		
	Mothers.		Children.		by Mothers.		by Children.																		
Birtley	39	22	31	14	25	16	20	—	—	—	1	—	—	—	—	—	—	—	—	2	1	9	8	0	9
Bishop Auckland	64	33	143	45	345	28	43	2	—	—	4	4	2	2	2	10	4	4	2	33	8	32	18	0	23
Blaydon	83	32	121	32	205	104	53	1	—	—	—	—	—	—	—	—	6	4	—	12	4	36	5	6	12
Consett	49	13	63	13	38	56	19	—	—	—	—	—	—	—	—	—	14	8	—	6	9	70	11	6	12
Durham	68	47	151	57	340	20	115	—	—	—	20	115	—	—	—	—	27	24	—	—	—	142	17	3	24
Felling	86	14	86	14	68	68	31	—	—	—	68	31	—	—	1	—	8	8	—	3	—	37	6	11	13
Hebburn	35	5	35	5	—	83	11	—	—	—	83	11	—	—	—	—	—	—	—	—	—	2	17	9	12
Horden	78	19	148	19	237	35	31	—	—	—	35	31	—	—	—	—	26	21	—	61	2	122	13	0	13
Houghton-le-Sp'ng	159	39	159	39	324	41	81	—	—	—	41	81	—	—	2	—	25	22	1	72	8	130	19	1	23
Seaham Harbour	47	12	107	18	225	47	60	1	—	—	47	60	—	—	—	—	5	5	2	4	—	27	2	0	12
Trimdon	49	11	64	11	187	43	26	—	—	—	43	26	—	—	—	—	8	8	—	—	—	44	11	2	14
Widdow	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	42	6	0	12

TABLE 15.

ADMINISTRATIVE COUNTY OF DURHAM—Maternal Mortality, 1933-1944.

Year.	Births Registered (live and still).	Deaths from Puerperal Sepsis.	Rate per 1,000 births Registered.	Deaths from other accidents and diseases of pregnancy and parturition.	Rate per 1,000 births Registered.	Total Maternal Mortality Rate per 1,000 births registered.
1933	17,136	34	1.98	50	2.92	4.90
1934	17,041	35	2.05	63	3.70	5.75
1935	16,656	40	2.40	69	4.14	6.54
1936	16,248	46	2.83	59	3.63	6.46
1937	15,844	18	1.14	57	3.60	4.73
1938	15,713	27	1.72	61	3.88	5.60
1939	15,418	26	1.69	51	3.31	4.99
1940	15,380	14	0.92	51	3.31	4.23
1941	14,969	15	1.00	53	3.54	4.54
1942	15,236	19	1.25	38	2.50	3.74

The rate for 1942 was the lowest recorded for the county, and it will be observed that the fall is attributable to a substantial reduction in the number of deaths from causes other than puerperal sepsis.

For the purpose of the continuing Ministry of Health inquiry 45 deaths were investigated during the year.

PUERPERAL PYREXIA.

There were 94 cases of puerperal pyrexia notified during the year in the administrative county compared with 88 during 1941. The number of cases notified in the maternity and child welfare area of the county was 72 compared with 78 during 1941. Nineteen deaths were registered from puerperal sepsis in the administrative county and 18 in the maternity and child welfare area during the year, compared with 15 and 13 during the previous year.

In accordance with the arrangements made by the County Council 23 cases were admitted to hospitals and the services of consultants were utilised in 4 cases.

OPHTHALMIA NEONATORUM.

TABLE 16.

Notified M.&C.W. Area.	Cases.			Vision un- impaired.	Vision. impaired.	Total Blindness.	Removed, No. Report	Deaths.	Under treat- ment at end of of year.
	Treated.								
	At home	Hospital.							
		In- p'tient	Out- p'tient						
62	26	32	4	58	Nil.	Nil.	1	†1	2

† Eyes clear at death.

The health visitors are instructed to make careful enquiries into all cases of inflammation of the eyes of newly-born children, and during the year, in addition to the 62 cases notified as ophthalmia neonatorum, they reported 394 such cases to which they paid 1,071 home visits. The following details have been abstracted regarding these cases :—

Treatment.

No. of cases treated by own doctor.....	186
No. of cases treated by own doctor and district nurse	8
No special treatment	200

Hospital Treatment.

In-patients.....	9
Out-patients.....	6

Results.

Eyes cleared up satisfactorily.....	389
Under treatment at the end of the year.....	5

HEALTH VISITORS.

Notification of Births.—In the area administered by the County Council 12,434 live births and 442 stillbirths were notified, while the numbers registered were 12,048 and 598 respectively. Of the notified births 10,091 were reported by midwives, 337 by doctors, 2,335 by maternity homes and hospitals, and 113 by public assistance institutions and St. Monnica's Home. The health visitors paid first visits to 12,680 births and it was found that in 2.8% of the cases no doctor or midwife was present at the birth.

Child Life Protection.—At the end of the year 59 cases were under supervision. Generally speaking the standard of care was good.

Deaths from Pneumonia and Bronchitis of Children under 5 years of age.—There are records of 218 of these cases, 109 of which were under six months old and 28 between the ages of 2 and 5 years. Of the 45 who died in hospital only 31 had special nursing, 128 had been prematurely weaned and 14 had not been breast fed.

Summary of work done by Health Visitors.—The following is a summary of work done by the health visitors during the year ended 31st December, 1942 :—

TABLE 17.

MATERNITY AND CHILD WELFARE.

Ante-natal 1st visits.....	3,235
Re-visits.....	2,422
Births — 1st visits.....	12,680
Re-visits under 1 year	34,080
„ 1 to 2 years	27,088
„ 2 to 3 „	25,979
„ 3 to 4 „	24,941
„ 4 to 5 „	29,321
„ 5 to 6 „	325
Uncertified Midwives	21
Child Life Protection	85
 Total	 160,177

TUBERCULOSIS.

1st visits	1,374
Re-visits.....	14,696
 Total	 16,070

SCHOOL WORK.

School children (home visits)	42,581
Visits to schools	1,768
 Total	 44,349

MENTAL DEFICIENCY.

Total number of visits paid to mentally defective persons ...	5,705
---	-------

SUMMARY.

Total number of actual visits	248,350
Unclassified visits.....	22,049
Ineffective visits	23,140

PROPORTION OF WORK IN PERCENTAGES :—

M. & C.W.	Tuberculosis.	Mental Deficiency.	School Work.
70.8	7.1	2.5	19.6

CASES REPORTED TO DISTRICT MEDICAL OFFICER OF HEALTH :—

Overcrowding	27
Sanitary defects	175
 Total	 202

In the aggregate health visitors spent 7,925 days at welfare centres, 1,498 days at tuberculosis dispensaries, and 588 days at school clinics, while 1,603 days were spent in inspections relating to school children and 37 days in conducting children to special schools.

NURSING HOMES.

During the year no application was made to the County Council under section 194 of the Public Health Act, 1936, for the delegation of their powers to a district council. Eleven general and cottage hospitals were re-inspected during the year and granted exemption for a further period of one year. The maternity and nursing homes were periodically inspected.

TABLE 18.

ADMINISTRATIVE COUNTY OF DURHAM, 1942—REGISTERED HOMES.

	Maternity	Maternity and General	General and Cottage Hospitals.	Mental Home for border- line uncer- tified cases.
1. No. of applications for registration	—	—	—	—
2. No. of Homes registered	2	3	—	1
3. No. of orders made refusing or cancelling registration	—	—	—	—
4. No. of appeals against such orders	—	—	—	—
5. No. of cases in which such orders have been				
(a) confirmed on appeal	—	—	—	—
(b) disallowed	—	—	—	—
6. No. of applications for exemption from registration	—	—	—	—
7. No. of cases in which exemption has been				
(a) granted	—	—	11	—
(b) withdrawn	—	—	—	—
(c) refused	—	—	—	—

WATER SUPPLIES.

Further improvements and extensions to the water supplies of the county were made during the year. These included a piped supply from Merrington Lane to Dean Bank, the installation of a duplicate pumping plant at Merrington Lane to augment the supply to the Coundon district, and a 12-inch main from Quebec to Leamside which, in emergency, will supplement the supply of the Sunderland and South Shields Water Company.

Work proceeded on a mains diversion at Fishburn Colliery, the installation of plant at High Grange to supply the Shildon district, and a scheme to supply Hett, Quarrington Hill, Cassop, Old Cassop and Kelloe in the Durham Rural District.

Chlorinating plants have been installed at all the impounding reservoirs of the County Water Board and in addition two mobile and two portable chlorinating plants have been provided for use in emergency.

At Great Stainton, where a scheme has been held up owing to the war, the District Council has installed a steriliser at the public well to provide water for drinking purposes.

DRAINAGE, SEWERAGE AND SEWAGE DISPOSAL.

War-time redistribution of population has placed an increased burden on some sewage disposal systems and some works became overloaded. Most of these works were scheduled for reconstruction and in these cases temporary improvements have been made which have been reasonably successful in preventing serious pollution of rivers and streams into which the effluents are discharged. Where the works were of modern construction extensions and improvements have been carried out in order to obtain a satisfactory effluent.

Sewage disposal works were completed and put into commission at Bishop Auckland, Binchester Woods, Consett, Westwood, Crook, Copelaw School, Aycliffe, Low Hulam, Ingleton Hostel, Sadberge Hostel, Middleton St. George, Streatlam, Stainton, Westwick, Humbleton, Barford, Carlbury Hall, Bedburn Annexe. Works of sewerage discharging to the sea were completed at Seaham. Temporary improvements have been carried out at Gainford, Staindrop, and Middleton-in-Teasdale.

RIVERS AND STREAMS.

During the year owing to the development of camps, factories, hostels, and other works of an emergency character, considerable care had to be exercised to ensure that precautions against pollution from trade and sewage effluents were adequate. In general, despite war-time conditions, effluents of a high standard have been secured.

There has been an improvement in the condition of the River Skerne but this will not be fully evident until the regrading scheme is completed.

Special attention has been devoted to the rivers Tees, Wear, Teams, Browney, Deerness, and Derwent, the Wingate Beck, Murton Beck, Langley Beck, Old House Beck and the Black Burn, West Burn, Lumley Burn and Blaydon Burn.

PIT HEAD BATHS.

At the end of the year 33 pithead baths were in use in the administrative county area.

BURNING SPOIL BANKS.

Slight activity was observed in some spoil banks but this was effectively controlled by covering or blanketing the affected parts.

MILK AND DAIRIES ACTS AND ORDERS.

The approximate number of registered dairy herds in the administrative county during the year was 2,918.

In 19 cases bulk samples of milk taken by local authorities were reported under the Milk and Dairies (Consolidation) Act, 1915, to contain tubercle bacilli. Investigations by the veterinary officers of the Ministry of Agriculture and Fisheries into the origin of tubercle bacilli in these samples necessitated visits to 19 farms and in 15 cases 18 tuberculous cows were detected and slaughtered. These are included in the total number of animals slaughtered under the Tuberculosis Order.

Throughout the year the veterinary officers of the Ministry of Agriculture and Fisheries paid 4,001 visits to farms under the Milk and Dairies Orders, which involved the examination of 58,624 animals. These inspections resulted in the slaughter of 140 tuberculous animals, which are included in the total number shown as having been dealt with under the Tuberculosis Orders. 129 cows were found to be affected with mastitis or some other pathological condition.

Under the Tuberculosis Order 1938, the total number of animals slaughtered during the year on account of suspected tuberculosis was 302.

The following is a summary of the licences, as on 31st December, 1942, issued for the production and sale of designated milk under the Milk (Special Designations) Regulations 1936 and 1942 :—

	Tuberculin	
	Tested.	Accredited
Establishments at which the milk was bottled.	27	82
Establishments at which the milk was not bottled	27	334
Totals	<u>54</u>	<u>416</u>

A total of 1,236 samples of milk was collected by officers of the County Health Department.

Table 19 shows the results of examination of the samples of milk collected during the year.

It will be observed that in 6.7 per cent. of the designated milk samples tubercle bacilli were found.

Samples of the milk supplied to schools were submitted to bacteriological examination or chemical analysis and the pasteurising establishments were visited periodically for sampling purposes.

Milk Assistance Scheme.—The number of families assisted under the scheme during the year was 26 while the number receiving assistance at the end of the year was 2, compared with 291 and 10 respectively in 1941.

FOODS AND DRUGS ACT.

During the year 2,069 samples were analysed with the following results :—

No. of samples found to be genuine	1,787
No. of genuine samples below standard	37
No. of samples of doubtful quality	2
No. of samples adulterated or below standard	114
No. of samples taken as Reference Samples	21
No. of samples taken as Appeal Samples	108

9 Reference Samples and 47 Appeal Samples were found to be below standard.

Percentage of milk samples found to be not genuine or below standard 11.81.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

The following tables give particulars as to cases of infectious diseases notified during the year, the mortality from the principal infectious diseases during the past ten years and cases admitted to isolation hospitals.

TABLE 20.

ADMINISTRATIVE COUNTY OF DURHAM, 1942.—Weekly Statement of notifiable diseases.

		Smallpox	Scarlet Fever	Diphtheria	Enteric Fever	Puerperal Pyrexia	Ophthalmia Neonatorum.	Erysipelas	Pneumonia	Malaria	Dysentery	Acute Polio-Encephalitis	Cerebro Spinal Fever.	Encephalitis Lethargica	Acute Polio-Myelitis.	Measles	Whooping Cough.
Jan.	3	—	32	42	—	5	2	4	29	—	—	—	2	—	—	49	16
"	10	—	26	39	—	2	—	5	29	—	—	—	5	—	—	41	18
"	17	—	40	32	—	2	2	7	30	—	—	—	5	—	1	51	21
"	24	—	43	41	—	—	1	8	32	—	—	—	2	—	—	40	12
"	31	—	28	41	—	2	1	4	31	—	—	—	7	—	—	73	24
Feb.	7	—	33	43	—	5	1	7	34	—	3	—	3	—	—	63	16
"	14	—	23	42	—	1	—	7	26	—	1	—	4	—	—	59	9
"	21	—	44	30	2	5	—	7	19	—	—	—	3	—	—	38	11
"	28	—	46	47	—	3	—	6	29	—	—	—	6	—	—	75	18
Mar.	7	—	52	36	—	2	2	3	39	—	—	—	4	—	—	73	12
"	14	—	31	34	1	4	1	8	33	—	—	—	2	—	—	86	8
"	21	—	48	28	—	—	1	6	35	—	1	1	10	—	—	81	23
"	28	—	41	33	—	2	1	9	39	—	—	—	2	—	—	115	6
April	4	—	28	35	1	1	—	3	32	—	—	—	5	—	—	80	4
"	11	—	13	29	—	—	—	3	27	—	1	—	3	—	—	64	16
"	18	—	27	32	1	—	2	3	18	—	—	—	2	—	—	80	10
"	25	—	15	30	—	3	—	7	22	—	—	—	2	—	—	99	13
May	2	—	21	30	—	2	2	6	24	—	—	—	4	2	—	61	7
"	9	—	25	28	—	2	—	5	38	—	—	—	2	—	—	58	33
"	16	—	28	18	—	3	2	6	26	—	—	—	2	—	—	77	19
"	23	—	22	21	—	1	5	6	37	—	1	—	3	—	—	81	8
"	30	—	27	20	—	2	3	5	36	—	—	—	4	—	—	91	20
June	6	—	33	21	—	3	1	6	35	—	—	—	7	—	—	112	12
"	13	—	20	20	—	4	2	8	22	—	—	—	3	—	—	171	13
"	20	—	47	21	1	—	—	4	23	—	—	—	1	—	—	131	8
"	27	—	38	30	—	3	2	3	12	—	—	—	4	1	—	136	21
July	4	—	33	34	—	—	—	6	18	—	1	—	2	—	—	169	33
"	11	—	37	26	1	2	3	4	10	—	1	—	4	—	—	116	23
"	18	—	33	40	—	2	1	3	6	—	—	—	—	—	2	112	18
"	25	—	30	43	—	—	4	1	8	—	—	—	3	—	—	129	17
Aug.	1	—	38	42	—	1	—	4	5	—	—	—	2	—	—	127	4
"	8	—	41	27	—	—	—	—	10	—	—	—	1	—	—	72	14
"	15	—	39	52	1	—	4	2	13	—	—	—	1	—	—	93	23
"	22	—	32	51	1	—	2	6	19	—	—	—	1	—	—	76	38
"	29	—	36	49	—	1	3	4	10	—	2	—	4	—	—	85	18
Sept.	5	—	44	43	—	—	2	7	8	—	1	—	1	—	—	55	29
"	12	—	36	35	1	—	—	3	13	—	1	—	1	—	1	93	13
"	19	—	31	45	—	5	—	2	8	—	—	—	—	—	—	112	15
"	26	—	41	43	—	2	2	4	9	—	1	—	1	—	—	93	9
Oct.	3	—	46	49	—	4	—	13	14	—	—	—	1	—	—	145	9
"	10	—	50	49	—	2	1	10	12	—	—	—	—	—	—	191	16
"	17	—	54	59	—	2	3	4	20	—	1	—	5	—	—	254	8
"	24	—	48	47	1	2	1	7	16	—	3	—	—	—	—	244	17
"	31	—	42	47	—	—	2	6	19	—	3	—	1	—	—	257	21
Nov.	7	—	57	41	—	1	—	9	9	—	6	—	1	—	—	298	23
"	14	—	68	47	5	1	1	5	13	—	3	—	2	—	—	257	25
"	21	—	51	75	—	1	2	10	25	—	1	—	2	—	—	355	21
"	28	—	64	43	—	2	1	7	31	—	1	—	3	—	1	362	27
Dec.	5	—	51	51	1	3	1	10	25	—	5	—	6	—	—	427	23
"	12	—	45	50	—	—	—	9	31	—	—	—	4	—	—	404	20
"	19	—	47	62	—	3	1	8	28	—	1	—	2	—	—	482	16
"	26	—	47	28	—	3	1	9	23	—	—	—	—	—	—	310	15
Totals for the Year		—	1972	2007	17	94	66	299	1155	—	38	1	145	3	5	7409	873

TABLE 21.

ADMINISTRATIVE COUNTY OF DURHAM, 1942.—NUMBERS of cases of infectious diseases notified in each Sanitary District.

	Smallpox	Scarlet Fever	Diphtheria	Enteric Fever	Puerperal Pyrexia	Ophthalmia Neonatorum.	Erysipelas	Pneumonia	Malaria	Dysentery	Acute Polio-Encephalitis	Cerebro Spinal Fever.	Encephalitis Lethargica	Acute Polio-Myelitis.	Measles	Whooping Cough.
URBAN DISTRICTS																
Durham Borough	—	23	16	1	4	2	3	12	—	—	—	2	—	—	253	34
Hartlepool Borough	—	11	5	—	2	—	—	2	—	—	—	6	—	—	345	—
Jarrow Borough	—	32	82	—	4	1	20	97	—	—	—	2	—	—	339	63
Stockton Borough	—	80	160	1	16	3	20	95	—	1	—	20	2	1	189	104
Barnard Castle	—	19	3	—	3	1	1	7	—	—	—	—	—	—	7	3
Billingham	—	38	75	—	1	1	4	23	—	15	1	—	—	1	153	8
Bishop Auckland	—	80	86	—	8	4	11	39	—	—	—	9	—	—	201	70
Blaydon	—	85	42	—	1	1	8	18	—	—	—	5	—	—	121	17
Boldon	—	1	8	—	3	—	5	4	—	—	—	—	—	—	18	2
Brandon & Byshottles	—	48	19	5	2	3	2	1	—	—	—	1	—	1	140	34
Chester-le-Street	—	69	39	—	3	2	7	36	—	—	—	3	—	—	178	19
Consett	—	85	19	—	10	1	18	40	—	—	—	5	—	2	289	73
Crook & Willington	—	71	12	1	—	3	5	14	—	1	—	2	—	—	625	20
Felling	—	47	29	—	—	1	5	5	—	—	—	9	—	—	105	5
Hebburn	—	33	58	—	2	1	5	66	—	1	—	5	—	—	268	56
Hetton	—	43	21	—	3	2	12	35	—	—	—	1	—	—	260	1
Houghton-le-Spring	—	136	78	—	4	3	14	85	—	—	—	4	—	—	297	7
Ryton	—	26	14	—	2	1	1	14	—	1	—	2	—	—	86	—
Seaham	—	65	275	—	3	3	10	98	—	—	—	4	—	—	32	49
Schildon	—	44	72	—	1	1	7	30	—	—	—	3	—	—	432	19
Spennymoor	—	30	16	3	—	2	12	20	—	—	—	3	1	—	344	3
Stanley	—	160	121	1	2	6	23	65	—	10	—	16	—	—	541	9
Tow Law	—	13	5	—	—	—	3	3	—	—	—	—	—	—	46	16
Washington	—	77	85	1	—	—	2	8	—	—	—	1	—	—	45	6
Whickham	—	97	29	—	2	1	11	44	—	2	—	3	—	—	257	23
RURAL DISTRICTS.																
Barnard Castle	—	15	17	—	1	—	5	11	—	—	—	3	—	—	115	3
Chester-le-Street	—	108	104	—	5	4	25	99	—	—	—	8	—	—	461	42
Darlington	—	35	14	—	—	—	2	6	—	—	—	2	—	—	18	11
Durham	—	69	43	1	—	1	9	16	—	—	—	5	—	—	154	14
Easington	—	174	307	1	1	2	19	71	—	—	—	11	—	—	691	51
Lanchester	—	36	9	1	6	—	1	6	—	1	—	1	—	—	23	12
Sedgefield	—	35	26	—	1	12	9	28	—	6	—	3	—	—	57	66
Stockton	—	12	16	—	3	—	3	11	—	—	—	1	—	—	35	17
Sunderland	—	49	90	—	1	4	13	42	—	—	—	3	—	—	126	9
Weardale	—	26	12	1	—	—	4	4	—	—	—	2	—	—	158	7
Administrative County	—	1972	2007	17	94	66	299	1155	—	38	1	145	3	5	7409	873

TABLE 22.

ADMINISTRATIVE COUNTY OF DURHAM, 1942.—Numbers of certain Infectious Diseases notified and numbers removed to Isolation Hospitals, in each Sanitary District.

District.	Esti- ated Popula- tion. 1942.	Smallpox.		Scarlet Fever.		Diphtheria.		Enteric Fever.		Totals.	
		No. notified.	Removed to Hospital.	No. notified	Removed to Hospital.	No. notified	Removed to Hospital	No. notified.	Removed to Hospital.	No. notified.	Removed to Hospital.
URBAN DISTRICTS.											
Durham	16,960	—	—	23	17	16	28	1	1	40	46
Hartlepool	14,840	—	—	11	9	5	5	—	—	16	14
Jarrow	26,700	—	—	32	34	82	84	—	—	114	118
Stockton	64,420	—	—	80	76	160	161	1	1	241	238
Barnard Castle	4,456	—	—	19	19	3	2	—	—	22	21
Billingham	19,800	—	—	38	43	75	76	—	—	113	119
Bishop Auckland	33,940	—	—	80	73	86	85	—	—	166	158
Blaydon	28,740	—	—	85	81	42	40	—	—	127	121
Boldon	14,350	—	—	1	16	8	13	—	—	9	29
Brandon and Byshottles	17,900	—	—	48	52	19	38	5	9	72	99
Chester-le-Street	16,680	—	—	69	63	39	35	—	—	108	98
Consett	36,210	—	—	85	50	19	17	—	—	104	67
Crook and Willington	26,050	—	—	71	70	12	12	1	1	84	83
Felling	23,140	—	—	47	41	29	31	—	1	76	73
Hebburn	21,950	—	—	33	36	58	56	—	—	91	92
Hetton	17,640	—	—	43	41	21	20	—	—	64	61
Houghton-le-Spring	26,630	—	—	136	100	78	78	—	—	214	178
Ryton	13,200	—	—	26	23	14	14	—	—	40	37
Seaham	23,220	—	—	65	48	275	260	—	—	340	308
Sildon	13,140	—	—	44	38	72	73	—	—	116	111
Spennymoor	17,810	—	—	30	40	16	34	3	—	49	74
Stanley	45,330	—	—	160	132	121	115	1	1	282	248
Tow Law	2,984	—	—	13	13	5	4	—	—	18	17
Washington	16,190	—	—	77	78	85	91	1	1	163	170
Whickham	20,720	—	—	97	88	29	27	—	—	126	115
RURAL DISTRICTS.											
Barnard Castle	17,080	—	—	15	12	17	16	—	—	32	28
Chester-le-Street	38,610	—	—	108	104	104	104	—	—	212	208
Darlington	9,436	—	—	35	22	14	13	—	—	49	35
Durham	31,110	—	—	69	72	43	50	1	—	113	122
Easington	74,980	—	—	174	42	307	267	1	4	482	313
Lanchester	14,170	—	—	36	23	9	9	1	1	46	33
Sedgefield	33,630	—	—	35	33	26	32	—	1	61	66
Stockton	7,036	—	—	12	8	16	16	—	—	28	24
Sunderland	21,820	—	—	49	23	90	90	—	—	139	113
Weardale	9,928	—	—	26	23	12	10	1	1	39	34
Administrative County	820,800	—	—	1972	1643	2007	2006	17	22	3996	3671

TABLE 19

ADMINISTRATIVE COUNTY OF DURHAM, 1942.—Results of examinations of samples of milk collected by officers of the County Health Department.

Designation.	No. of samples collected.	Type of Examination						Biological Examination for Tubercle Bacilli.		
		Methylene Blue.		B. Coli.		Plate Count		No. of samples examined	Positive	Negative
		Passed	Failed.	Passed	Failed.	Passed	Failed.			
Tuberculin Tested	124	88	34	—	2	—	—	—	—	—
Accredited	962	705	251	4	2	—	—	149	10	139
Pasteurised.....	150	—	—	—	—	22	8	—	—	—
Non-Designated.....	—	—	—	—	—	—	—	—	—	—
Totals	1,236	793	285	4	4	22	8	149	10	139

TABLE 23.

ADMINISTRATIVE COUNTY OF DURHAM, 1942.—Notifiable diseases.
Cases, admissions to hospital and deaths.

Disease	Total cases notified	Cases admitted to hospital	Total deaths
Smallpox	—	—	—
Scarlet Fever	1,972	1,643	1
Diphtheria	2,007	2,006	92
Enteric Fever	17	22	1
Puerperal Pyrexia	94	23	19
Pneumonia	1,155	41	407
Ophthalmia Neonatorum	66	33	—
Erysipelas	299	20	8
Cerebro Spinal Fever	145	141	27
Acute Encephalitis Lethargica	3	—	16
Acute Polio-Myelitis	5	—	4
Acute Polio-Encephalitis	1	2	—
Malaria	—	—	—
Measles	7,409	16	15
Whooping Cough	873	9	21

TABLE 24.

ADMINISTRATIVE COUNTY OF DURHAM.—Number of Cases of certain Infectious Diseases notified 1933-1942.

	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	Mean of 10 years.
Smallpox	—	—	—	—	—	—	—	—	—	—	—
Scarlet Fever	5,433	7,888	6,203	4,724	3,341	3,540	1,441	1,121	989	1,972	3,665
Diphtheria	1,100	2,214	3,188	3,201	3,561	3,101	2,026	1,442	1,408	2,007	2,325
Enteric Fever	47	159	104	44	19	15	14	115	66	17	60
Puerperal Fever	21	41	28	26	17	*168	*140	*97	*88	*94	72
Erysipelas	535	705	581	504	463	568	416	340	309	299	472
TOTAL	7,136	11,007	10,104	8,499	7,401	7,392	4,037	3,115	2,860	4,389	6,594
Attack Rate per 1,000 Living	7.8	12.0	11.1	9.5	8.4	8.4	4.6	3.7	3.4	5.3	7.5

* Puerperal Pyrexia.

TABLE 25.

ADMINISTRATIVE COUNTY OF DURHAM.—Deaths and Death-rates from the seven principal infective diseases 1933 to 1942.

	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	Mean of 10 years.
Estimated Population	918,330	914,500	908,300	897,287	886,200	884,000	878,800	849,470	837,870	820,800	879,556
Smallpox	—	—	—	—	—	—	—	—	—	—	—
Scarlet Fever	56	86	38	44	19	19	9	2	3	1	28
Diphtheria	48	152	209	194	231	179	111	77	70	92	136
Enteric Fever	5	9	9	5	2	1	1	5	3	1	4
Measles	61	132	47	57	29	41	16	34	38	15	47
Whooping Cough	43	65	47	82	32	29	33	16	75	21	44
Diarrhoea, under 2 years	208	104	110	110	101	61	58	78	67	98	100
TOTAL DEATHS	421	548	460	492	414	330	228	212	256	228	359
Deaths per 1,000 Population	0.46	0.60	0.51	0.55	0.47	0.37	0.26	0.25	0.31	0.28	0.41

Scarlet Fever.—The number of notifications of scarlet fever was 1,972 in 1942, as against the low figure of 989 in 1941. Only one death, however, was registered as due to this cause.

Diphtheria.—Notifications increased to 2,007 in 1942 from 1,408 in 1941. There were 92 deaths registered representing a mortality equivalent to 4.48 per cent. of notifications and a death-rate of 0.11 per 1,000 population.

Enteric Fever.—Compared with 115 in 1940 and 66 in 1941, there were only 17 notifications of enteric fever in 1942. Only one death was registered.

Measles.—The incidence of this disease was low in the early part of the year with a slight increase in the late spring. The high incidence to be expected in the winter of 1942-43 in view of the characteristic periodicity of measles commenced in the last quarter and reached a peak in December. The notifications for the year numbered 7,409. Fifteen deaths were registered, giving a death-rate of 0.02 per 1,000 population.

Whooping Cough.—There were 873 notifications of whooping cough and 21 deaths were registered as due to this disease.

Diarrhoea and Enteritis (under 2 years of age).—The number of deaths registered during 1942 was 98, compared with 67 in 1941. The death-rates per 1,000 population for these two years were 0.12 and 0.08 respectively, while the rates per 1,000 births registered were 6.69 and 4.66 respectively.

Influenza.—The number of deaths registered was 77, equal to a death-rate of 0.09 per 1,000 population, compared with 147 deaths and a death-rate of 0.18 in 1941.

CANCER ACT, 1939.

The period within which arrangements under the Cancer Act, 1939 are to be submitted for the approval of the Minister of Health was extended to the 31st March, 1944.

At a conference of local authorities and voluntary hospital authorities convened by the North Eastern Regional Hospital Advisory Council on the 3rd November, 1942, it was resolved that a scheme be prepared showing the services in connection with the treatment of cancer which could be offered to the area by a centre at Newcastle.

The following table gives comparative statistics in respect of cancer mortality for this administrative county and England and Wales for the past ten years; while Table 27 gives the number of cancer deaths in each sanitary district during 1942 tabulated to show the organs affected together with the sex and age periods.

TABLE 26.

Year.	DURHAM COUNTY		ENGLAND AND WALES.	
	Deaths.	Death-rate.	Deaths.	Death-rate.
1933	1,082	1.18	61,572	1.53
1934	1,130	1.24	63,263	1.56
1935	1,238	1.36	64,507	1.59
1936	1,156	1.29	66,354	1.63
1937	1,155	1.30	66,991	1.63
1938	1,242	1.40	68,605	1.66
1939	1,275	1.45	68,981	1.67
1940	1,260	1.48	68,740	1.72
1941	1,224	1.46	68,974	1.78
1942	1,261	1.54	70,139	1.83

VACCINATION.

The work in the administrative county was carried out by 70 public vaccinators and 24 vaccination officers.

Table 28 shows the numbers of persons vaccinated and re-vaccinated at the cost of the rates by the medical officers of the public assistance institutions and the public vaccinators during the year ended 30th September, 1942 :—

TABLE 28.

Numbers of successful Primary Vaccinations of Persons —			Number of successful re-vaccinations, <i>i.e.</i> , successful vaccinations of persons who had been successfully vaccinated at some previous time.
Under one year of age.	One year and upwards.	Total.	
4109	371	4480	96

BLIND PERSONS.

Administration.—The number of blind persons on the County Council's register on the 31st December, 1942, was 1,918, an increase of 61 on the total at 31st December, 1941. During the year the names of 261 blind persons were added to the register, 17 blind persons were certified "not blind," and 183 died or left the county area. Included in the number of cases certified "not blind" were those whose sight was restored after receiving surgical treatment under the Council's arrangements for the prevention of blindness. A total of 386 eye examinations was carried out by three part-time ophthalmologists appointed by the County Council. These were cases classified as follows :—

TABLE 27.

ADMINISTRATIVE COUNTY OF DURHAM, 1942.—Deaths from cancer showing the organs affected, sex and age periods.

District.	Deaths at subjoined ages.					Buccal Cavity.		Pharynx Oesophagus, Stomach, Liver and Annexa.		Peritoneum, Intestines and Rectum.		Female Genital Organs.	Breast.		Skin.		Other or unspecified Organs.		Totals.	
	0-25	25-45	45-65	65-75	75 & Up.	M.	F.	M.	F.	M.	F.		M.	F.	M.	F.	M.	F.	M.	F.
URBAN DISTRICTS.																				
Durham	—	1	18	8	3	2	—	6	4	3	1	2	—	4	—	1	6	1	17	13
Hartlepool	—	3	8	16	9	1	—	5	3	13	2	3	1	1	1	1	1	4	22	14
Jarrow	—	1	26	12	5	—	—	8	6	10	2	3	—	4	—	—	10	1	28	16
Stockton	—	3	42	41	13	6	—	20	14	13	4	18	—	5	1	—	12	6	52	47
Barnard Castle	—	—	5	2	1	—	—	2	3	1	—	—	—	1	—	—	1	—	4	4
Billingham	—	6	7	6	4	1	—	7	4	2	3	3	—	—	—	—	2	1	12	11
Bishop Auckland	—	1	26	22	3	3	—	4	9	8	11	3	—	6	—	—	7	1	22	30
Blaydon	1	5	10	10	4	—	—	5	4	1	4	1	—	4	—	—	11	—	17	13
Boldon	—	—	13	16	2	—	—	6	5	5	3	3	—	1	—	—	5	3	16	15
Brandon & Byshottles	—	1	9	7	1	—	—	2	3	3	1	3	—	1	2	—	2	1	9	9
Chester-le-Street	—	1	13	13	3	1	—	4	5	3	2	6	—	4	—	—	2	3	10	20
Consett	1	7	33	22	4	3	—	15	8	9	3	5	—	6	—	1	14	3	41	26
Crook and Willington	1	1	22	23	5	—	2	11	2	10	6	7	—	5	—	1	6	2	27	25
Felling	—	2	12	8	6	2	—	6	6	2	2	4	—	3	—	—	2	1	12	16
Hebburn	—	2	19	15	1	—	—	12	3	4	3	5	—	2	—	—	5	3	21	16
Hetton	—	—	14	7	7	1	—	8	4	1	3	2	—	2	—	—	6	1	16	12
Houghton-le-Spring	—	4	13	13	3	2	—	3	3	6	1	6	—	5	1	—	6	—	17	16
Ryton	1	—	9	10	—	1	—	7	4	3	1	—	—	1	—	—	2	1	13	7
Seaham	1	2	10	10	—	1	—	5	5	3	3	2	—	3	1	—	—	—	10	13
Sildon	—	1	5	7	6	—	—	4	4	3	2	—	—	4	—	—	1	1	8	11
Spennymoor	—	3	7	7	2	—	—	2	2	4	2	1	—	3	1	—	4	—	11	8
Stanley	1	1	38	30	6	4	—	13	11	14	7	13	—	2	—	—	6	6	37	39
Tow Law	—	—	1	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1
Washington	1	2	8	15	3	1	—	2	5	—	2	3	—	4	1	2	8	1	12	17
Whickham	—	5	12	9	5	1	—	10	5	4	—	1	—	3	—	—	4	3	19	12
Totals (U.D's.)	7	52	380	329	96	30	2	167	122	125	68	94	1	75	8	6	123	43	453	411
RURAL DISTRICTS.																				
Barnard Castle	—	4	12	10	6	—	—	7	6	4	—	2	—	5	1	—	4	3	16	16
Chester-le-Street	—	5	24	18	7	3	1	15	4	6	6	7	—	2	1	1	5	3	30	24
Darlington	—	1	9	7	3	1	—	5	1	1	2	2	—	1	—	—	3	4	10	10
Durham	—	4	21	17	3	—	—	13	7	5	2	6	—	3	1	—	6	2	25	20
Easington	1	6	37	46	20	1	—	26	10	20	11	13	1	10	—	—	16	2	64	46
Lanchester	—	—	15	4	6	—	—	8	3	3	2	3	—	3	—	—	2	1	13	12
Sedgefield	—	4	19	13	8	1	—	6	9	2	4	6	—	8	—	—	7	1	16	28
Stockton	—	2	4	5	2	1	—	3	4	—	1	2	—	—	—	—	2	—	6	7
Sunderland	—	3	20	11	8	1	—	6	5	6	6	3	—	7	—	—	6	2	20	22
Weardale	—	2	2	4	4	—	—	1	4	—	1	—	—	1	—	—	3	2	4	8
All Urban Districts	7	52	380	329	96	30	2	167	122	125	68	94	1	75	8	6	123	43	453	411
Rural Districts	1	31	163	135	67	8	1	90	53	47	35	44	1	40	3	1	54	20	204	193
ADMINISTRATIVE COUNTY	8	83	543	464	163	38	3	257	175	172	103	138	2	115	11	7	177	63	657	604

First examinations.	
Number certified "blind"	202
Number certified "not blind"	91
Re-examinations.	
Number certified "blind"	59
Number certified "not blind"	34
Total number of examinations	<hr/> 386 <hr/>

Education, training and employment.—At the end of the year 22 children were receiving elementary education in schools for the blind, and 17 blind persons over the age of 16 years were being trained in suitable trades. At the end of 1942, the number of trained unemployed blind persons was 5 compared with 2 at the end of the previous year. There were 54 workshop employees and 7 home workers in respect of whom the County Council made grants to the Sunderland and Cleveland Institutions for the blind and grants were made to the Northern Branch of the National Library for the Blind in respect of 2 blind persons who were employed as Braille copyists.

Domiciliary Assistance.—During the year £66,323 (an average of £1,275 per week) was expended in domiciliary assistance to registered blind persons compared with £55,906 and £1,075 respectively during the year 1941. On the 31st December, 1942, 1,386 blind persons were in receipt of assistance compared with 1,293 on the corresponding date in 1941.

Home Teachers.—Seventeen home teachers were employed by the institutions for the blind and during the year under review 28,303 visits to the homes of blind persons in the county were paid.

Prevention of Blindness.—During the year 53 persons received treatment under the County Council's arrangements for the prevention of blindness and spectacles were supplied in 44 cases.

Wireless for the Blind.—Under Section 1 of the Wireless Telegraphy (Blind Persons Facilities) Act, 1926, 154 certificates enabling blind persons to obtain free wireless licences were issued during the year.

Homes for the Blind.—At the end of the year, 5 blind persons were in permanent residence in Homes for the Blind, the cost of maintenance being paid by the County Council.

TUBERCULOSIS.

INSTITUTIONAL TREATMENT.

Accommodation.—The number of beds available for the treatment of tuberculosis remained unchanged in the year 1942.

Agreements were renewed with the same general hospitals as previously for the treatment of surgical tuberculosis.

The average accommodation available in the general hospitals was 35 beds and this together with an average of 518 beds available in sanatoria gives a total of 553 beds for the treatment of tuberculosis.

Waiting List.—The following numbers of patients were awaiting admission to sanatoria and hospitals at the end of the year.

	<i>Sanatorium.</i>		<i>Hospital.</i>
	<i>Pul.</i>	<i>Non-Pul.</i>	
Adult males	56	2	1
Adult females	43	4	2
Boys	3	6	6
Girls	1	2	6
Totals	103	14	15

HOLYWOOD HALL SANATORIUM.

During the year 271 patients were admitted to this institution and 265 were discharged. The average duration of stay was 202 days

X-ray Department.—During the year the following 1,434 X-ray photographs were taken.—Chest 1,118, Bones and joints 239, Abdomen (barium meals) 37, Kidney 27, Miscellaneous 13, in addition approximately 2,400 screen examinations were made.

Collapse Therapy.—Eighty cases were treated by artificial pneumothorax in 1942, the total number of injections of air given being 1,437.

SEAHAM HALL SANATORIUM.

During the year 197 patients were admitted to this institution and 182 discharged. These were classified as follows.—Pulmonary adults 117, non-pulmonary adults 29, non-pulmonary children 28, total non-tuberculous in all groups 8.

A large number of cases has been treated by artificial pneumothorax both as in-patients and out-patients, and an increasing amount of surgical work is being done.

The following plaster splints were applied.—spine 1, leg plasters 5, leg casts and celluloid splints 2, casts 13, celluloid jackets 12.

X-ray Department.—The following examinations were made.—Indoor patients 496, patients from tuberculosis dispensaries 2, nursing and domestic staff 27.

Light Treatment.—The following numbers of patients were treated by ray therapy.—General U.V.R. 12, Local U.V.R. 12, Infra red ray 2.

EARLS HOUSE SANATORIUM.

The number of patients in residence at this sanatorium on the 1st January was 66, and at the end of December the number was 66. During the year 101 patients were admitted and 101 discharged.

The number of X-ray examinations conducted during the year was as follows:—

	<i>Chest</i>	<i>Bones and Joints.</i>
In-patients	152	130
Out-patients	36	10
Staff	22	3

Sixteen celluloid spinal jackets and nine other splints were made during 1942.

Twelve artificial pneumothorax refills were given during the year.

Arrangements were made with the School Medical Department for regular monthly inspection and treatment by the school dentist, thereby allowing continuity of treatment after the children leave the sanatorium.

OTHER INSTITUTIONS.

Ford Hospital (Sunderland R.D.C.).—During the year 97 patients were admitted and 99 discharged.

Helmington Row Hospital.—13 patients were admitted and 15 discharged.

Tindale Crescent Hospital.—45 patients were admitted and 44 discharged.

Stannington Sanatorium, Northumberland.—During the year 58 children were discharged and 59 admitted.

The cases discharged were classified as follows :—

1. Pulmonary	(a) T.B. plus	5	} 23
	(b) T.B. minus	18	
2. Non-pulmonary	(a) Bones and joints	11	} 31
	(b) Abdominal	14	
	(c) Peripheral glands	6	
	(d) Other organs	Nil.	
3. Non-tuberculous			3
4. Infectious diseases			2

Preston Hall Sanatorium, Kent. One ex-service man was in residence during the year.

DISTRICT WORK

Dispensary Districts.—There was no alteration in the dispensary districts during the year.

Dispensary and Domiciliary work.—The total number of persons who attended the dispensaries was 7,580 compared with 6,994 in 1941. Further statistical information regarding the work done will be found in Table 29. The number of cases on the registers, 4,636, represents a rate of 5.6 per 1,000 estimated population of the county.

Radiography.—During the year the following numbers of films were made at the request of the district tuberculosis officers.—chest 2,915, spine, pelvis and hip-joint 110, knee and ankle joint 27, and other regions 112. The number has again increased compared with previous years.

Artificial Light Treatment of Skin Tuberculosis.—Treatment of skin tuberculosis has been carried on as in previous years at the Skin Clinic of the Royal Victoria Infirmary, Newcastle-on-Tyne. Apart from an increase in the number of sunlight sittings the attendances

have remained very much the same. The number of new cases who commenced treatment during the year was 29, viz.:—Lupus Vulgaris 5; Scrofuloderma 18; and Tuberculosis Cutis 6.

The total number of treatments given during the year was 4,327 compared with 3,780 in 1941.

Surgical Appliances.—During the year orthopaedic appliances were supplied to 45 patients on the recommendation of the tuberculosis officers.

Dental Treatment.—As in former years, provision was made for dental treatment in institutions for certain patients who were in poor financial circumstances.

Sanitary Defects.—The county health visitors reported 60 such defects existing in houses where a notified tuberculous patient was in residence.

Ministry of Pensions.—Twenty reports on ex-service pensioners were supplied to the Ministry of Pensions during the year. Seventy-two tuberculous pensioners were admitted to sanatoria and hospitals, 54 were discharged, and 6 died. At the end of the year 46 were receiving in-patient treatment.

School Medical Department.—The number of suspected tuberculous school children referred to the dispensaries by assistant school medical officers was 117, (65 boys and 52 girls), and the district tuberculosis officers found that of this number 23 boys and 11 girls were tuberculous.

Home Nursing.—The number of visits paid by district nurses during the year was 1,130.

Open-air Shelters.—At the beginning of the year there were 24 shelters in use and 47 awaiting removal. During the year 7 were removed from patients who had no further use for them and were erected for other patients or stored. One shelter was condemned and sold. The total number of shelters at the end of the year was 70, of which number 21 were in use and 49 were awaiting removal.

Care and After-Care.—The following is a summary of the work done by the seven district care committees:—

Extra nourishment	550
Clothing and/or boots	206
Bedsteads and bedding	9
Dental treatment	7
Suitable employment arranged	1
Appliances	4
Referred to Public Assistance Committees and other bodies	27
Home help provided	7
No action	9

Grants have been made to 3 cases under the scheme for assistance in the payment of rent.

Occupational Incidence.—There is no evidence of any marked incidence of tuberculosis in any particular occupation.

TABLE 22.

ADMINISTRATIVE COUNTY OF DURHAM, 1942.—Numbers of certain Infectious Diseases notified and numbers removed Isolation Hospitals, in each Sanitary District.

District.	Esti- ated Popula- tion. 1942.	Smallpox.		Scarlet Fever.		Diphtheria.		Enteric Fever.		Totals.	
		No. notified.	Removed to Hospital.	No. notified	Removed to Hospital.	No. notified	Removed to Hospital	No. notified.	Removed to Hospital.	No. notified.	Removed to Hospital.
URBAN DISTRICTS.											
Durham	16,960	—	—	23	17	16	28	1	1	40	46
Hartlepool	14,840	—	—	11	9	5	5	—	—	16	14
Jarrow	26,700	—	—	32	34	82	84	—	—	114	118
Stockton	64,420	—	—	80	76	160	161	1	1	241	238
Barnard Castle	4,456	—	—	19	19	3	2	—	—	22	21
Billingham	19,800	—	—	38	43	75	76	—	—	113	119
Bishop Auckland	33,940	—	—	80	73	86	85	—	—	166	158
Blaydon	28,740	—	—	85	81	42	40	—	—	127	121
Boldon	14,350	—	—	1	16	8	13	—	—	9	29
Brandon and Byshottles	17,900	—	—	48	52	19	38	5	9	72	99
Chester-le-Street	16,680	—	—	69	63	39	35	—	—	108	98
Consett	36,210	—	—	85	50	19	17	—	—	104	67
Crook and Willington	26,050	—	—	71	70	12	12	1	1	84	83
Felling	23,140	—	—	47	41	29	31	—	1	76	73
Hebburn	21,950	—	—	33	36	58	56	—	—	91	92
Hetton	17,640	—	—	43	41	21	20	—	—	64	61
Houghton-le-Spring	26,630	—	—	136	100	78	78	—	—	214	178
Ryton	13,200	—	—	26	23	14	14	—	—	40	37
Seaham	23,220	—	—	65	48	275	260	—	—	340	308
Shildon	13,140	—	—	44	38	72	73	—	—	116	111
Spennymoor	17,810	—	—	30	40	16	34	3	—	49	74
Stanley	45,330	—	—	160	132	121	115	1	1	282	248
Tow Law	2,984	—	—	13	13	5	4	—	—	18	17
Washington	16,190	—	—	77	78	85	91	1	1	163	170
Whickham	20,720	—	—	97	88	29	27	—	—	126	115
RURAL DISTRICTS.											
Barnard Castle	17,080	—	—	15	12	17	16	—	—	32	28
Chester-le-Street	38,610	—	—	108	104	104	104	—	—	212	208
Darlington	9,436	—	—	35	22	14	13	—	—	49	35
Durham	31,110	—	—	69	72	43	50	1	—	113	122
Easington	74,980	—	—	174	42	307	267	1	4	482	313
Lanchester	14,170	—	—	36	23	9	9	1	1	46	33
Sedgefield	33,630	—	—	35	33	26	32	—	1	61	66
Stockton	7,036	—	—	12	8	16	16	—	—	28	24
Sunderland	21,820	—	—	49	23	90	90	—	—	139	113
Weardale	9,928	—	—	26	23	12	10	1	1	39	34
Administrative County	820,800	—	—	1972	1643	2007	2006	17	22	3996	3671

INCIDENCE AND MORTALITY.

Notification.—The number of primary notifications received during the year was 1,139. (Tables 30, 32 and 33). In addition, information was obtained other than by formal notification in respect of 184 cases (Table 31).

Incidence.—New cases coming to notice during the year numbered 1,249. (Table 34). This gives an incidence rate for all forms of tuberculosis of 1.5 per 1,000 estimated population. Of the cases actually coming under the supervision of the tuberculosis medical officers during 1942, 8.8% were unnotified at the end of the year.

Deaths and Death-rates.—Tables 35 and 36 give the number of deaths from pulmonary and non-pulmonary tuberculosis by age in the separate county districts. Deaths in the county as a whole distinguishing age and sex for pulmonary and non-pulmonary forms of the disease are given in Table 34. In Tables 37 and 38 the death rates from pulmonary and non-pulmonary tuberculosis in the boroughs and in the urban and rural districts of the administrative county area are compared.

The ratio of non-notified tuberculosis deaths to total tuberculosis deaths is 19.2% compared with 17.5% for the previous year. Every effort is made to induce medical practitioners either to notify cases or to send them to dispensaries as soon as tuberculosis is diagnosed.

TABLE 30.

ADMINISTRATIVE COUNTY OF DURHAM, 1942.—Tuberculosis Notifications.

Age PERIODS.	FORMAL NOTIFICATIONS.												Total*- Notific ations.
	No. of Primary Notifications of new cases of Tuberculosis.												
	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 & o'r	Total (all ages)	
Pulmonary :													
Males	1	1	11	12	47	54	60	65	33	52	9	345	354
Females	—	1	9	22	70	82	77	57	28	7	3	356	379
Non- Pulmonary :													
Males	5	33	76	36	26	14	15	13	4	2	1	225	237
Females	3	32	50	39	26	26	19	11	4	2	1	213	220
Totals	9	67	146	109	169	176	171	146	69	63	14	1139	1190

*Includes duplicate notifications.

TABLE 31.

ADMINISTRATIVE COUNTY OF DURHAM, 1942.—New cases of Tuberculosis coming to the knowledge of the County Medical Officer of Health otherwise than by Formal Notification.

Age Periods.	0 — 1	1 — 5	5 — 10	10 — 15	15 — 20	20 — 25	25 — 35	35 — 45	45 — 55	55 — 65	65 and up- wards	Total.
Pulmonary—												
Males	1	—	4	—	5	3	19	4	5	9	4	54
Females	—	2	2	—	9	12	10	8	1	3	5	52
Non-Pulmonary												
Males	2	8	5	4	3	1	4	4	1	2	1	35
Females	—	9	6	6	6	7	6	1	1	—	1	43
Totals	3	19	17	10	23	23	39	17	8	14	11	184

The sources from which information as to the above-mentioned cases was obtained.—

Source of Information.	No. of Cases.	
	Pulmonary	Non-Pulmonary
Death Returns—from local Registrars.....	41	23
Death Returns—transferable deaths from Registrar General	13	30
Posthumous notifications	5	12
“Transfers” from other areas (other than transferable deaths)	47	13
Other Sources, if any	—	—
Totals	106	78

TABLE 32.

ADMINISTRATIVE COUNTY OF DURHAM, 1942.—Notifications of Tuberculosis in the different urban and rural districts in the administrative county during the period 1st January to 31st December, 1942:—

District.	Primary Notifications of new cases of Tuberculosis.			
	Pulmonary		Non-pulmonary.	
	Males.	Females.	Males.	Females.
URBAN.				
Durham	9	7	6	1
Hartlepool	10	11	4	1
Jarrow	25	15	10	10
Stockton	32	27	13	7
Barnard Castle	—	—	—	1
Billingham	12	16	11	2
Bishop Auckland	11	13	7	6
Blaydon	7	13	4	4
Boldon	4	4	9	7
Brandon and Byshottles	6	11	4	5
Chester-le-Street	2	5	2	4
Consett	4	8	8	12
Crook and Willington	9	9	4	4
Felling	8	16	2	2
Hebburn	17	22	3	4
Hetton	9	4	3	5
Houghton-le-Spring	11	15	10	12
Ryton	4	1	1	—
Seaham	13	15	7	13
Shildon	1	3	8	8
Spennymoor	7	6	4	5
Stanley	15	12	14	5
Wool Law	—	—	1	2
Washington	4	9	5	4
Whickham	11	9	4	3
Totals	231	251	144	127
RURAL.				
Barnard Castle	3	3	3	2
Chester-le-Street	21	20	6	13
Darlington	4	—	1	3
Durham	6	8	9	10
Hasington	31	27	37	28
Manchester	5	3	1	1
Wedgesfield	22	30	10	14
Stockton	1	1	2	3
Sunderland	19	11	11	11
Weardale	2	2	1	1
Totals	114	105	81	86
Administrative County	345	356	225	213

TABLE 33.

ADMINISTRATIVE COUNTY OF DURHAM.—Primary Notifications of Tuberculosis, 1933—1942.

Year.	Pulmonary	Non-Pulmonary	Totals.
1933	805	614	1,419
1934	824	591	1,415
1935	748	542	1,290
1936	753	554	1,307
1937	732	524	1,256
1938	649	572	1,221
1939	702	497	1,199
1940	636	430	1,066
1941	692	400	1,092
1942	701	438	1,139

TABLE 34.

ADMINISTRATIVE COUNTY OF DURHAM, 1942.—Tuberculosis, New Cases and Mortality.

Age Period.	New Cases.				Deaths.			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
0	1	—	5	3	2	1	11	4
1	1	2	38	33	1	3	12	16
5	12	10	82	60	—	2	6	6
10	13	22	42	45	3	4	10	9
15	51	80	26	29	28	47	11	8
20	56	88	15	31	34	36	3	1
25	67	88	19	22	52	47	6	8
35	66	60	14	13	48	19	3	1
45	36	30	4	4	29	16	3	—
55	54	7	2	3	36	9	2	1
65 and upwards	10	3	1	1	12	6	1	1
Totals	367	390	248	244	245	190	68	55

TABLE 35.

ADMINISTRATIVE COUNTY OF DURHAM, 1942.—Deaths from Pulmonary Tuberculosis.

District.	Deaths at Subjoined Ages.											Total
	Under 1 year.	1 and under 5	5 and under 10	10 and under 15	15 and under 20	20 and under 25	25 and under 35	35 and under 45	45 and under 55	55 and under 65	65 and upwards	
URBAN												
Durham Bor.	—	—	—	—	1	1	1	1	—	—	1	5
Hartlepool Bor.	—	—	—	1	—	1	—	2	—	3	—	7
Jarrow Bor.	—	—	1	2	2	5	7	2	1	4	1	25
Stockton Bor.	—	1	—	—	2	5	9	8	5	5	3	38
Barnard Castle.....	—	—	—	—	—	—	—	—	—	—	1	1
Billingham	—	—	—	—	3	1	3	1	1	1	—	10
Bishop Auckland	—	—	—	—	4	3	1	2	3	—	—	19
Blaydon	—	—	—	—	3	4	3	1	1	3	2	17
Boldon	—	—	—	—	—	1	1	—	—	2	1	5
Brandon & Bysh.	—	—	—	—	3	—	3	—	2	1	—	9
Chester-le-Street	—	—	—	—	—	—	2	—	2	1	—	5
Consett	—	—	—	1	2	4	1	1	3	1	—	13
Crook & W'ton	—	—	—	—	4	6	3	3	2	—	—	18
Felling	—	1	—	—	7	7	6	1	—	2	—	24
Hebburn	—	—	—	—	5	1	4	6	1	4	2	23
Hetton	—	—	—	—	2	2	1	4	—	—	1	10
Houghton-le-Sp	—	—	—	—	2	3	4	1	1	—	—	11
Ryton	—	—	—	—	—	1	1	1	1	2	—	6
Seaham	2	1	—	—	3	4	3	4	2	1	—	20
Shildon	—	—	—	—	—	1	1	1	1	1	1	6
Spennymoor	—	—	1	1	2	—	4	—	1	1	—	10
Stanley ...	—	—	—	—	4	4	6	2	1	2	—	19
Tow Law	—	—	—	—	—	—	—	2	—	—	—	2
Washington	—	—	—	1	1	2	2	1	1	2	—	10
Whickham	—	—	—	—	2	2	5	3	1	—	—	13
Totals	2	3	2	6	52	58	77	47	30	36	13	326
RURAL.												
Barnard Castle	—	—	—	—	—	1	2	1	—	1	—	5
Chester-le-Street	—	1	—	—	3	1	4	4	4	1	—	18
Darlington	—	—	—	—	—	—	1	—	—	—	—	1
Durham	—	—	—	—	2	1	6	3	1	1	1	15
Easington	—	—	—	1	7	2	3	5	4	1	1	24
Lanchester	—	—	—	—	1	1	1	1	—	1	—	5
Sedgefield	—	—	—	—	3	2	3	—	—	3	1	12
Stockton	—	—	—	—	—	—	1	1	1	—	—	3
Sunderland	1	—	—	—	5	2	1	3	3	1	2	18
Weardale	—	—	—	—	2	2	—	2	2	—	—	8
Totals	1	1	—	1	23	12	22	20	15	9	5	109
Admis. County	3	4	2	7	75	70	99	67	45	45	18	435

TABLE 36.

ADMINISTRATIVE COUNTY OF DURHAM, 1942.—Deaths from Non-Pulmonary Tuberculosis.

District.	Deaths at Subjoined Ages.											Total
	Under 1 year	1 and under 2	5 and under 10	10 and under 15	15 and under 20	20 and under 25	25 and under 35	35 and under 45	45 and under 55	55 and under 65	65 and upwards	
URBAN.												
Durham Bor.	—	1	—	—	2	—	—	—	—	1	—	4
Hartlepool Bor.	—	—	—	—	1	—	5	—	—	1	—	7
Jarrow Bor.	—	—	—	—	—	—	—	1	—	—	—	1
Stockton Bor.	3	2	1	—	2	—	—	—	—	—	—	8
Barnard Castle.....	—	—	—	—	—	—	—	—	—	—	1	1
Billingham	—	—	2	1	—	—	—	—	—	—	—	3
Bishop Auckland	—	1	—	1	—	—	—	1	—	—	—	3
Blaydon	—	—	—	4	—	—	—	—	—	—	—	4
Boldon	—	—	—	1	—	—	2	—	—	—	—	3
Brandon & Bysh	2	1	—	1	1	—	—	—	—	—	—	5
Chester-le-Street	—	—	—	2	—	—	1	—	—	—	—	3
Consett	—	3	1	2	—	—	1	—	—	—	—	7
Crook & W'ton	—	1	2	—	—	—	—	—	—	—	—	3
Felling	—	—	—	—	4	—	—	—	—	—	—	4
Hebburn	—	2	—	—	1	—	1	—	—	—	—	4
Hetton	—	1	—	—	—	1	—	—	—	—	—	2
Houghton-le-Sp	—	1	—	1	—	—	—	—	—	—	—	2
Ryton	—	1	—	1	—	—	—	—	—	—	—	2
Seaham	3	—	—	—	2	—	—	—	1	—	—	6
Shildon	—	1	—	—	—	—	—	—	—	—	—	1
Spennymoor	1	1	—	—	1	1	—	—	—	—	—	4
Stanley	—	—	—	2	—	—	—	1	—	—	—	3
Tow Law	—	1	—	—	—	—	—	—	1	—	—	2
Washington	—	—	2	—	2	—	—	—	—	—	—	4
Whickham	—	1	1	—	—	—	—	—	—	—	—	2
Totals	9	18	9	16	16	2	10	3	2	2	1	88
RURAL.												
Barnard Castle.....	—	—	—	1	—	—	—	—	—	—	—	1
Chester-le-St.	1	2	1	—	1	—	—	—	—	—	—	5
Darlington	—	—	1	—	—	—	—	—	—	—	1	2
Durham	—	—	—	1	1	—	1	1	1	—	—	5
Easington	2	2	—	1	1	—	1	—	—	—	—	7
Lanchester	—	—	—	—	—	—	1	—	—	1	—	2
Sedgefield	1	1	1	—	—	—	—	—	—	—	—	3
Stockton	1	—	—	—	—	—	—	—	—	—	—	1
Sunderland	1	5	—	—	—	2	1	—	—	—	—	9
Weardale	—	—	—	—	—	—	—	—	—	—	—	—
Totals	6	10	3	3	3	2	4	1	1	1	1	35
Adminis. County	15	28	12	19	19	4	14	4	3	3	2	123

TABLE 37.

ADMINISTRATIVE COUNTY OF DURHAM.—Pulmonary Tuberculosis
Death-Rates 1938—1942.

Rate per 1,000 Living.	1938	1939	1940	1941	1942
Municipal Boroughs	0.71	0.85	0.89	1.04	0.62
Other Urban Districts	0.51	0.55	0.58	0.61	0.58
Rural Districts	0.48	0.50	0.55	0.53	0.41
Administrative County	*0.53	0.58	0.61	0.65	0.53
England and Wales	0.53	0.52	0.59	0.60	0.54

*Lowest on record for this administrative county.

TABLE 38.

ADMINISTRATIVE COUNTY OF DURHAM.—Non-Pulmonary Tuberculosis
Death-Rates 1938—1942.

Rate per 1,000 Living.	1938	1939	1940	1941	1942
Municipal Boroughs	0.15	0.15	0.13	0.18	0.16
Other Urban Districts	0.14	0.14	0.10	0.12	0.15
Rural Districts	0.13	0.13	0.07	0.11	0.14
Administrative County	0.14	0.14	0.10	0.13	0.15
England and Wales	0.10	0.10	0.11	0.13	0.12

VENEREAL DISEASES.

There was no alteration in the list of approved treatment centres during the year.

Table 39 shows the numbers of patients from the administrative county dealt with at treatment centres for the first time during the year.

TABLE 40.

The number of cases of congenital syphilis from the county area which attended the Durham Stockton and Newcastle treatment centres—1942.

Sex	Treatment Centres.			Totals.
	Durham County Hospital.	Stockton and Thornaby Hospital.	Newcastle General Hospital.	
Male	8	7	2	17
Female	9	6	2	17
Totals	17	13	4	34

GOVERNMENT EVACUATION SCHEME.

The arrangements for the accommodation of evacuee expectant mothers remained unchanged.

CIVIL DEFENCE.

The general organisation of the casualty services remained unchanged. Towards the end of the year some of the personnel were released from wholetime service to take up work in essential industry and were transferred to the part-time strength.

TABLE 27.

ADMINISTRATIVE COUNTY OF DURHAM, 1942.—Deaths from cancer showing the organs affected, sex and age periods.

District.	Deaths at subjoined ages.					Buccal Cavity.		Pharynx, Oesophagus, Stomach, Liver and Annexa.		Peritoneum, Intestines and Rectum.		Female Genital Organs.	Breast.		Skin.		Other or unspecified Organs.		Totals.	
	0-25	25-45	45-65	65-75	75 & Up.	M.	F.	M.	F.	M.	F.		M.	F.	M.	F.	M.	F.	M.	F.
URBAN DISTRICTS.																				
Durham	—	1	18	8	3	2	—	6	4	3	1	2	—	4	—	1	6	1	17	13
Hartlepool	—	3	8	16	9	1	—	5	3	13	2	3	1	1	1	1	1	4	22	14
Jarrow	—	1	26	12	5	—	—	8	6	10	2	3	—	4	—	—	10	1	28	16
Stockton	—	3	42	41	13	6	—	20	14	13	4	18	—	5	1	—	12	6	52	47
Barnard Castle	—	—	5	2	1	—	—	2	3	1	—	—	—	1	—	—	1	—	4	4
Billingham	—	6	7	6	4	1	—	7	4	2	3	3	—	—	—	—	2	1	12	11
Bishop Auckland	—	1	26	22	3	3	—	4	9	8	11	3	—	6	—	—	7	1	22	30
Blaydon	1	5	10	10	4	—	—	5	4	1	4	1	—	4	—	—	11	—	17	13
Boldon	—	—	13	16	2	—	—	6	5	5	3	3	—	1	—	—	5	3	16	15
Brandon & Byshottles	—	1	9	7	1	—	—	2	3	3	1	3	—	1	2	—	2	1	9	9
Chester-le-Street	—	1	13	13	3	1	—	4	5	3	2	6	—	4	—	—	2	3	10	20
Consett	1	7	33	22	4	3	—	15	8	9	3	5	—	6	—	1	14	3	41	26
Crook and Willington	1	1	22	23	5	—	2	11	2	10	6	7	—	5	—	1	6	2	27	25
Felling	—	2	12	8	6	2	—	6	6	2	2	4	—	3	—	—	2	1	12	16
Hebburn	—	2	19	15	1	—	—	12	3	4	3	5	—	2	—	—	5	3	21	16
Hetton	—	—	14	7	7	1	—	8	4	1	3	2	—	2	—	—	6	1	16	12
Houghton-le-Spring	—	4	13	13	3	2	—	3	3	6	1	6	—	5	1	—	6	—	17	16
Ryton	1	—	9	10	—	1	—	7	4	3	1	—	—	1	—	—	2	1	13	7
Seaham	1	2	10	10	—	1	—	5	5	3	3	2	—	3	1	—	—	—	10	13
Shildon	—	1	5	7	6	—	—	4	4	3	2	—	—	4	—	—	1	1	8	11
Spennymoor	—	3	7	7	2	—	—	2	2	4	2	1	—	3	1	—	4	—	11	8
Stanley	1	1	38	30	6	4	—	13	11	14	7	13	—	2	—	—	6	6	37	39
Tow Law	—	—	1	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1
Washington	1	2	8	15	3	1	—	2	5	—	2	3	—	4	1	2	8	1	12	17
Whickham	—	5	12	9	5	1	—	10	5	4	—	1	—	3	—	—	4	3	19	12
Totals (U.D.'s.)	7	52	380	329	96	30	2	167	122	125	68	94	1	75	8	6	123	43	453	411
RURAL DISTRICTS.																				
Barnard Castle	—	4	12	10	6	—	—	7	6	4	—	2	—	5	1	—	4	3	16	16
Chester-le-Street	—	5	24	18	7	3	1	15	4	6	6	7	—	2	1	1	5	3	30	24
Darlington	—	1	9	7	3	1	—	5	1	1	2	2	—	1	—	—	3	4	10	10
Durham	—	4	21	17	3	—	—	13	7	5	2	6	—	3	1	—	6	2	25	20
Easington	1	6	37	46	20	1	—	26	10	20	11	13	1	10	—	—	16	2	64	46
Lanchester	—	—	15	4	6	—	—	8	3	3	2	3	—	3	—	—	2	1	13	12
Sedgefield	—	4	19	13	8	1	—	6	9	2	4	6	—	8	—	—	7	1	16	28
Stockton	—	2	4	5	2	1	—	3	4	—	1	2	—	—	—	—	2	—	6	7
Sunderland	—	3	20	11	8	1	—	6	5	6	6	3	—	7	—	—	6	2	20	22
Weardale	—	2	2	4	4	—	—	1	4	—	1	—	—	1	—	—	3	2	4	8
All Urban Districts	7	52	380	329	96	30	2	167	122	125	68	94	1	75	8	6	123	43	453	411
Rural Districts	1	31	163	135	67	8	1	90	53	47	35	44	1	40	3	1	54	20	204	193
ADMINISTRATIVE COUNTY	8	83	543	464	163	38	3	257	175	172	103	138	2	115	11	7	177	63	657	604

TABLE 29.

ADMINISTRATIVE COUNTY OF DURHAM, 1942.—Work of the Tuberculosis Dispensaries during the year.

	Pulmonary.				Non-Pulmonary				Total				Grand Totals.
	Adults		Children		Adults		Children		Adults		Children		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
A. (1) Number of definite cases on the Register at the beginning of the year	1139	964	128	127	419	474	605	536	1558	1438	733	663	4392
(2) Transfers from other authorities during year	35	42	1	2	4	3	11	5	39	45	12	7	103
(3) Lost sight of cases returned during year	17	10	—	1	10	4	1	—	27	14	1	1	43
													4538
B. Number of New Cases diagnosed during year													
(1) T.B. minus	145	165	27	30	—	—	—	—	145	165	27	30	367
(2) T.B. plus	172	135	—	4	—	—	—	—	172	135	—	4	311
(3) Non-pulmonary	—	—	—	—	69	88	139	116	69	88	139	116	412
													1090
C. Number of cases included in A and B written off during the year as :—													
(1) Recovered	31	27	7	4	40	64	53	55	71	91	60	59	281
(2) Dead (all causes)	183	141	4	9	20	11	6	5	203	152	10	14	379
(3) Transfer Out	33	44	1	3	13	21	21	11	46	65	22	14	147
(4) For other reasons	51	36	5	—	40	28	14	11	91	64	19	11	185
													992
D. Number of cases on the Register at the end of year	1210	1068	139	148	389	445	662	575	1599	1513	801	723	4636

1. Number of cases on Dispensary Register on January 1st, 1942 4,392
2. Number of cases transferred from other areas and cases returned after discharge under Head 3 in previous years 146
3. Number of cases transferred to other areas, cases not desiring further assistance under the scheme, and cases "lost sight of" 332
4. Cases written off during the year as Dead (all causes) 379
5. Number of attendances at the Dispensary (including Contacts) 19,875
6. Number of Insured Persons under Domiciliary Treatment on the 31st December 633
7. Number of consultations with medical practitioners :—
 - (a) Personal 943
 - (b) Other 3,254

8. Number of visits by Tuberculosis Officers to homes (including personal consultations) 2,678
9. Number of visits by Nurses or Health Visitors to homes for Dispensary purposes 16,309
10. Number of :—
 - (a) Specimens of sputum, etc., examined 2,024
 - (b) X-ray examination made in connexion with Dispensary work 3,164
11. Number of "Recovered" cases restored to Dispensary Register, and included in B above 19
12. Number of "T.B." plus cases on Dispensary Register on December 31st, 1942 1,301

(B) Number of Dispensaries for the treatment of Tuberculosis (excluding centres used only for special forms of treatment).

